

ANNUAL REPORT

of the

Detroit & Mackinac

RAILWAY COMPANY

INCLUDING

Traffic Reports of the Road



For the Fiscal Year Ending June 30th

1916

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DIRECTORS AND OFFICERS

BOARD OF DIRECTORS

HENRY K. McHARG.Stamford, Conn.
JAMES D. HAWKSDetroit, Mich.
WALTON FERGUSONStamford, Conn.
HENRY K. McHARG, JR.....Stamford, Conn.
JAMES BROWN MABONNew York, N. Y.

OFFICERS

HENRY K. McHARG, President, Stamford, Conn.
JAMES D. HAWKS, Vice-Pres. and General Manager, Detroit, Mich.
GEO. M. CROCKER, 2nd Vice-Pres., Aud. and Pur. Agt., Detroit, Mich.
CHAS. B. COLEBROOK, Sec'y-Treas., 40 Wall Street, New York, N. Y.
JAMES McNAMARA, General Counsel, Detroit, Mich.
C. W. LUCE, General Superintendent, East Tawas, Mich.
W. G. MacEDWARD, Gen. Freight and Passenger Agt., Bay City, Mich.

General Office: Boyer Building, Detroit, Mich.

HAWKINS, GIES & CO.
CERTIFIED PUBLIC ACCOUNTANTS

NEW YORK
CHICAGO
DETROIT

Sept. 6th, 1916.

J. D. HAWKS, Esq.,
Vice-President and General Manager,
Detroit & Mackinac Ry. Co.,
Detroit, Michigan.

Dear Sir:—We have made an audit of the accounts of the Detroit & Mackinac Railway Company for the fiscal year ending June 30th, 1916, and submit herewith statements setting forth the results of the operations of the property for the period under review. We also submit a balance sheet which reflects the true financial condition of your company at June 30th, 1916, as shown by the books.

Respectfully,

HAWKINS, GIES & CO.

REPORT OF THE VICE-PRESIDENT TO THE STOCKHOLDERS OF THE DETROIT & MACKINAC RAILWAY COMPANY

Detroit, Mich., Oct. 13th, 1916.

Gentlemen:

The decrease in earnings, mentioned in the report of last year, continued through the months of July, August and September of the present fiscal year. In October earnings were practically the same for the two years. The improvement which began in November continued for the balance of the year so that earnings for the year were \$1,175,726, as compared with \$1,077,317 for 1915, and \$1,210,333 for 1914.

Economies in Operating Expenses which were legitimately possible by reason of the betterments made from year to year allowed us to show Net Earnings less Taxes of \$280,636 or 23.87 per cent, being the largest in eight years except in 1913 when we showed \$292,112.

Taxes were \$97,506 or over \$15,000 higher than in the previous year, and 8.29 per cent. of the total gross earnings

It is easy to imagine what would happen if other industries in Michigan were called upon to give up over 8 per cent of gross earnings for taxes. Individually, the people of Michigan say it is a shame to single out the railroads for excessive taxation, but collectively through their legislature, they allow the injustice to continue.

It seems proper in a report of this kind which is partly historical in its nature, to call attention to the change which has been going on in the character of the business. Figures are here given for 1897, which was the first year that figures were kept in substantially the present form, and for ten years ago, 1906, and the present year.

	PER CENT.		
	1897	1906	1916
Products of Agriculture	1.35	2.82	5.10
Products of Animals	1.25	1.49	1.81
Products of Mines	1.55	29.40	37.27
Products of Forest	86.58	53.41	26.44
Manufacturers.....	9.27	12.88	29.38
Merchandise.....			
Miscellaneous.....			

A glance at this report shows that a logging railroad has been turned into a road for general business and is able to make a good showing after the logs are gone. In fact, the road loses money in hauling logs at present log tariffs, and can be well satisfied to see the log business become a thing of the past. Thousands of acres of good farming land from which the timber has been cut are now waiting for farmers. It is too much to expect many settlers so long as wages are so high in the cities, but the asset for the road is there and agriculture will soon hold its proper place in our business.

No great betterments have been made during the year and none are contemplated for the ensuing year.

The Au Sable & Northwestern Division was changed to standard gauge and heavier rail laid on part of the division. The improvement in business on that Division is already quite noticeable.

In the spring the water in streams in Michigan was higher than for forty years and our road suffered to a small extent. The Ossineke cut-off with new bridge on concrete abutments is substantially finished.

Our record of never having killed a passenger on a regular passenger train still holds good.

Yours truly,

J. D. HAWKS,
Vice-Pres. and General Manager.

DETROIT & MACKINAC RAILWAY COMPANY.

AUDITOR'S OFFICE.

Detroit, Mich., Sept. 22nd, 1916.

J. D. HAWKS, ESQ.,

Vice-President and General Manager:

Dear Sir:—I herewith submit statements of the general accounts and tables showing the result of operations of the Detroit & Mackinac Railway Company for the fiscal year ending June 30, 1916, as follows:

TABLE A—Condensed Balance Sheet.

TABLE B—Income Account.

TABLE C—Particulars of Bonded Debt.

TABLE D—Comparative Financial Statement.

TABLE E—Earnings and Expenses by years.

TABLE F—Earnings and Expenses by months.

TABLE G—Operating Expenses.

TABLE H—Mileage.

TABLE I—Classification of Freight Tonnage.

TABLE J—Statistics for the year.

TABLE K—Rolling Stock.

TABLE L—Spurs, Sidings and Branches.

Respectfully,

GEORGE M. CROCKER,

Auditor.

DETROIT & MACKINAC RAILWAY COMPANY
CONDENSED GENERAL BALANCE SHEET, JUNE 30, 1916.

Assets.		Liabilities.	
Cost of Road.....	\$4,919,630	76	
Cost of Equipment.....	719,872	42	
D. & M. Ry. { First Lien Bonds.....	\$450,000	00	
Treas. { Mortgage Bonds ...	500,000	00	
Material and supplies	950,000	00	
	61,148	50	
Cash and Current Assets.			
Cash on hand	\$ 4,547	15	
Internal Revenue Stamp Acct.....	246	00	
Due from Companies and Individuals	17,610	89	
Due from Station Agents.....	26,348	82	
Net Traffic Balances	13,711	13	
Insurance paid in advance	604	78	
	63,068	77	
Current Liabilities.			
Audited Vouchers and Pay Rolls.....			61,241
Profit and Loss Account			930
			81
			\$6,713,720
			45

TABLE—B.**DETROIT & MACKINAC RAILWAY COMPANY.****INCOME ACCOUNT FOR THE YEAR ENDING JUNE 30, 1916.**

Operating Revenues	\$1,175,726	83	
Operating Expenses	797,584	28	
Net Operating Revenue			\$ 378,142 55
Add:			
Hire of Equipment—Credit balance	61,899	55	
Sale of Scrap Rail	4,021	22	
Depreciation prior to June 30, 1907, on equipment retired	5,208	59	
Emerson gravel pit, operating	146	64	
Sundries	107	83	71,383 83
Total net income			\$ 449,526 38
Deduct:			
Taxes	97,506	07	
Interest on Funded Debt	92,000	00	
Preferred Stock Dividend	47,500	00	
Common Stock Dividend	100,000	00	
Interest and Discount—Net	1,027	05	
Outside Operations—Deficit	3,074	07	
Uncollectible Railway Revenue	3,299	14	
Cheboygan Dock—Rental	300	00	344,706 33
Surplus			\$ 104,820 05
Additions and Betterments	45,309	60	
Balance A. S. & N. W. Ry. purchase	37,373	23	
Emerson Gravel Pit—Betterments	1,206	41	
Contingency Fund	20,000	00	103,889 24
Balance			\$ 930 81

TABLE—C.**PARTICULARS OF BONDED DEBT.**

Class of Bonds	Amount Outstanding	INTEREST		Interest Accrued During Year	Principal Due
		Rate	When Payable		
First Lien	\$1,050,000 00	4%	June and December	\$42,000 00	June 1, 1995
Mort.	1,250,000 00	4%	June and December	50,000 00	June 1, 1995
	\$2,300,000 00			\$92,000 00	

TABLE—D.
DETROIT & MACKINAC RAILWAY COMPANY
COMPARATIVE FINANCIAL STATEMENT

	June 30, 1914.	June 30, 1915.	June 30, 1916.
Current Assets.			
Cash	\$ 3,514 92	\$ 3,986 47	\$ 4,547 15
Due from Station Agents and Others	42,699 54	34,131 55	43,959 71
Traffic Balances	5,156 26	12,648 40	13,711 13
Material and Supplies on Hand	66,588 75	55,798 66	61,148 50
Prepaid and Deferred Charges	451 15	607 95	850 78
Totals	\$ 118,410 62	\$ 107,173 03	\$ 124,217 27
Less Current Liabilities.			
Audited Vouchers and Pay Rolls	\$ 110,413 00	\$ 77,177 59	\$ 61,241 45
Notes Payable	135,000 00	130,000 00	90,000 00
Accrued Taxes, Interest and Rentals	59,246 30	53,474 97	54,852 41
Totals	\$ 304,659 30	\$ 260,652 56	\$ 206,093 86
Net	*\$ 186,248 68	*\$ 153,479 53	*\$ 81,876 59
Capital Assets.			
Cost of Road	\$4,972,005 50	\$4,919,630 76	\$4,919,630 76
Cost of Equipment	737,811 11	725,921 95	719,872 42
Construction Accounts .....	.....	37,373 23	.....
Totals	\$5,709,816 61	\$5,682,925 94	\$5,639,503 18
Net Assets	\$5,523,567 93	\$5,529,446 41	\$5,557,626 59
Representing—			
Bonds Issued—First Lien	\$1,050,000 00	\$1,050,000 00	\$1,050,000 00
Bonds Issued—Mortgage	1,250,000 00	1,250,000 00	1,250,000 00
Stock Issued—Common	2,000,000 00	2,000,000 00	2,000,000 00
Stock Issued—Preferred	950,000 00	950,000 00	950,000 00
Reserves	273,567 93	279,446 41	306,695 78
Surplus .....	.....	.....	330 81
Totals	\$5,523,567 93	\$5,529,446 41	\$5,557,626 59
*Debit balance.			

TABLE E

DETROIT & MACKINAC RAILWAY COMPANY

EARNINGS AND EXPENSES BY YEARS

	1912		1913		1914		1915		1916	
	Amount	Per Cent.	Amount	Per Cent.	Amount	Per Cent.	Amount	Per Cent.	Amount	Per Cent.
EARNINGS—										
Freight	\$ 842,320.68	67.49	\$ 818,459.70	65.88	\$ 795,306.34	65.71	\$ 695,580.42	64.57	\$ 786,082.44	66.86
Passenger	330,960.40	26.52	339,835.31	27.36	336,571.93	27.80	303,072.26	28.13	310,506.15	26.41
Mail	31,001.01	2.48	33,499.15	2.69	34,331.99	2.84	34,326.19	03.19	35,884.00	03.05
Express	18,452.51	1.48	21,131.77	1.70	18,370.20	1.52	20,075.31	01.86	20,712.34	01.76
Other Sources.....	25,367.14	2.03	29,400.97	2.37	25,752.96	2.13	24,263.06	02.25	22,541.90	01.92
Total.....	\$1,248,101.74	100%	\$1,242,326.90	100%	\$1,210,333.42	100%	\$1,077,317.24	100%	\$1,175,726.83	100%
EXPENSES—										
Maint. Way and Structures.....	\$ 201,751.89	22.46	\$ 166,414.62	19.66	\$ 147,397.89	17.28	\$ 135,504.78	17.07	\$ 132,936.76	16.67
Maint. Equipment.....	218,290.44	24.30	174,768.39	20.64	195,752.58	22.95	200,024.61	25.20	207,414.26	26.01
Traffic Expense.....	29,503.52	3.29	26,969.09	3.18	28,544.72	3.35	24,667.77	03.11	25,042.67	03.14
Transportation Expense.....	411,688.28	45.84	443,602.31	52.39	448,330.02	52.57	398,888.66	50.26	398,010.46	49.90
Miscellaneous Operation .....	.....	.....	.....	.....	.....	.....	1,138.04	.14	987.68	00.12
General Expense.....	36,879.00	4.11	34,941.84	4.13	32,854.69	3.85	33,511.55	4.22	33,192.45	04.16
Total.....	\$ 898,113.13	100%	\$ 846,696.25	100%	\$ 852,879.90	100%	\$ 793,735.41	100%	\$ 797,584.28	100%
Net Earnings.....	349,988.61	28.04	395,630.65	31.84	357,453.52	29.53	283,581.83	24.32	378,142.55	32.16
Taxes	101,804.72	8.16	103,518.25	8.33	105,904.48	8.75	82,490.65	07.66	97,506.07	8.29
Net Earnings, less Taxes.....	248,183.89	19.88	292,112.40	23.51	251,549.04	20.78	201,091.18	18.66	280,636.48	23.87

TABLE F.

DETROIT & MACKINAC RAILWAY COMPANY

STATEMENT OF EARNINGS AND EXPENSES BY MONTHS FOR FISCAL YEAR ENDING JUNE 30TH, 1916

EARNINGS

Earnings	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June
Freight	\$ 54,602.29	\$ 52,623.87	\$ 54,047.28	\$ 68,177.02	\$ 74,901.05	\$ 52,924.00	\$ 55,304.80	\$ 64,891.07	\$ 73,626.14	\$ 81,935.40	\$ 80,493.58	\$ 72,555.94
Passenger	31,276.44	33,554.90	25,533.66	25,863.61	24,723.56	28,147.02	22,897.11	19,113.10	21,080.50	26,204.42	25,411.93	26,699.90
Mail	2,900.00	3,081.60	2,990.65	2,990.75	2,989.75	2,990.75	2,990.75	2,990.75	2,990.75	2,990.75	2,986.75	2,990.75
Express	1,382.26	2,281.09	2,126.13	2,358.75	1,876.75	2,031.91	1,877.37	1,783.19	1,598.07	1,260.40	998.49	1,137.93
Other Sources.....	3,183.37	2,293.08	1,930.27	1,710.18	2,101.68	1,710.77	1,277.00	1,537.44	1,518.84	1,782.58	1,834.10	1,662.59
Totals	\$ 93,344.36	\$ 93,834.54	\$ 86,627.99	\$ 101,100.31	\$ 106,592.79	\$ 87,804.45	\$ 84,347.03	\$ 90,315.55	\$ 100,814.30	\$ 114,173.55	\$ 111,724.85	\$ 105,047.11

EXPENSES.

Oper. Expenses	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June
Maint. Way and S	\$ 9,850.73	\$ 11,203.03	\$ 12,870.17	\$ 10,963.98	\$ 9,980.29	\$ 9,034.03	\$ 7,917.96	\$ 8,858.85	\$ 10,334.87	\$ 12,156.68	\$ 15,346.31	\$ 14,419.86
Maint. Equipment	16,307.69	16,972.97	15,569.30	15,575.26	13,369.64	15,213.12	16,350.00	18,190.60	18,074.69	20,105.24	20,621.91	21,063.84
Traffic	2,008.63	2,268.86	2,314.10	1,796.26	1,731.96	1,796.69	1,971.71	1,725.98	2,210.70	2,902.88	1,754.07	2,560.83
Transportation	32,132.03	33,156.42	31,673.88	31,736.99	33,759.32	32,456.67	33,365.81	35,035.07	35,280.44	31,790.12	33,067.34	34,556.37
Miscellaneous.....	334.56	400.23	156.84	.....	.....	.....	.....	.....	.....	.....	.....	96.05
General.....	2,614.20	2,533.53	2,878.43	2,744.95	2,599.03	2,806.57	2,698.55	2,471.67	2,754.46	2,455.22	3,014.54	3,621.30
Totals	\$ 63,247.84	\$ 66,535.04	\$ 65,462.72	\$ 62,817.44	\$ 61,440.24	\$ 61,307.08	\$ 62,304.03	\$ 66,282.17	\$ 68,655.16	\$ 69,410.14	\$ 73,804.17	\$ 76,318.25
Net Earnings	\$ 30,096.52	\$ 27,299.50	\$ 21,165.27	\$ 38,282.87	\$ 45,152.55	\$ 26,497.37	\$ 22,043.00	\$ 24,033.38	\$ 32,159.14	\$ 44,763.41	\$ 37,920.68	\$ 28,728.86
Prop. Exp. to Earnings	67.77 %	70.91 %	75.57 %	62.13 %	57.64 %	69.75 %	73.87 %	73.38 %	68.10 %	60.79 %	66.06 %	72.65 %

TABLE — G.

DETROIT & MACKINAC RAILWAY COMPANY.
OPERATING EXPENSES.

Maintenance of Way and Structures.

	1915.		1916.	
	Amount	%	Amount	%
Superintendence	\$ 5,938 43	.75	\$ 4,878 66	.61
Roadway Maintenance	7,541 38	.95	10,818 98	1.36
Bridges, Trestles and Culverts.....	5,922 95	.75	5,675 66	.71
Ties	18,223 95	2.30	15,529 92	1.95
Other Track Material	4,613 74	.58	2,127 33	.27
Ballast	476 20	.06	598 98	.07
Track Laying and Surfacing.....	64,331 38	8.15	65,169 54	8.17
Right of Way Fences.....	3,556 79	.44	2,143 99	.27
Snow and Sand Fences and Snow Sheds	186 70	.02	96 21	.01
Crossings and Signs	2,218 77	.28	1,309 47	.16
Station and Office Buildings.....	5,266 25	.66	4,300 37	.54
Roadway Buildings	143 67	.02	140 47	.02
Water Stations	1,388 28	.16	1,912 25	.24
Fuel Stations	530 03	.06	1,944 95	.24
Shops and Engine Houses.....	2,216 06	.27	2,512 15	.32
Wharfs and Docks	1,342 41	.17	.....	.....
Telegraph and Telephone Lines.....	2,142 35	.27	2,356 44	.30
Signal and Interlockers	325 21	.04	608 15	.08
Miscellaneous Structures .....	.....	.....	15 02	.....
Paving	714 37	.09	.....	.....
Roadway Machines	3,900 87	.49	2,666 83	.26
Small Tools and Supplies	1,585 62	.20	2,019 48	.33
Removing Snow, Ice and Sand.....	5,919 97	.75	8,062 13	1.01
Assessments for Public Improvements	30 00	.....	.....	.....
Insurance	452 62	.05	584 16	.08
Stationery and Printing	162 88	.02	121 89	.01
Other Expenses	80 93	.01	104 62	.01
Maint. Jct. Tracks, Yards and Other Facilities—Dr.	450 89	.05	401 16	.05
Maint. Jct. Tracks, Yards and Other Facilities—Cr.	4,157 92	.52	3,162 05	.40
Total	\$135,504 78	17.07	\$132,936 76	16.67

DETROIT & MACKINAC RAILWAY COMPANY.

OPERATING EXPENSES—Continued.

Maintenance of Equipment.

	1915.			1916.	
	Amount	%		Amount	%
Superintendence	\$ 6,031 07	.76	\$	6,680 43	.84
Shop Machinery	2,324 97	.30		2,369 82	.30
Steam Locomotives—Repairs	53,192 16	6.70		47,564 08	5.96
Steam Locomotives—Depreciation ..	5,934 00	.75		5,934 00	.74
Freight Train Cars—Repairs.....	91,096 85	11.48		102,689 29	12.88
Freight Train Cars—Depreciation...	16,026 36	2.02		16,203 88	2.03
Freight Train Cars—Retirement....	3,819 29	.48		2,861 32	.36
Passenger Train Cars—Repairs.....	14,319 20	1.80		15,330 25	1.92
Passenger Train Cars—Depreciation..	4,389 60	.55		4,389 60	.55
Working Equipment—Repairs	706 54	.09		690 51	.09
Working Equipment—Depreciation ..	528 48	.06		564 48	.07
Working Equipment—Retirement...	113 20	.01		.....	....
Injuries to Persons	447 04	.06		661 83	.09
Stationery and Printing	388 78	.05		428 15	.05
Other Expenses	707 07	.09		1,046 62	.13
Total	\$200,024 61	25.20	\$	207,414 26	26.01

Traffic Expenses.

Superintendence	\$ 16,073 84	2.03	\$	15,986 98	2.01
Advertising	1,130 22	.14		3,213 25	.40
Traffic Associations	838 87	.11		893 07	.11
Industrial and Immigration Bureaus..	10 00	....		400 00	.05
Stationery and Printing	6,614 84	.83		4,549 37	.57
Total	\$ 24,667 77	3.11	\$	25,042 67	3.14

DETROIT & MACKINAC RAILWAY COMPANY.

OPERATING EXPENSES—Continued.

Transportation Expenses.

	1915. Amount	%	1916. Amount	%
Superintendence	\$ 21,087 50	2.66	\$ 21,000 61	2.63
Despatching Trains	5,528 50	.70	5,520 30	.69
Station Employees	71,607 66	9.02	72,950 06	9.15
Weighing, Inspection and Demurrage Bureaus	661 89	.08	660 00	.08
Station Supplies and Expenses	4,166 54	.52	3,822 41	.48
Yard Masters and Yard Clerks	3,424 34	.43	3,182 00	.40
Yard Conductors and Brakemen	9,810 03	1.24	10,308 83	1.29
Yard Enginemen	6,540 32	.82	6,830 92	.86
Fuel for Yard Locomotives	18,688 28	2.36	9,157 93	1.15
Water for Yard Locomotives	1,350 23	.17	812 86	.10
Lubricants for Yard Locomotives	543 92	.07	290 58	.04
Other Supplies for Yard Locomotives	142 34	.02	61 49	.01
Enginehouse Expense—Yard	2,285 12	.30	1,505 38	.19
Yard Supplies and Expenses	438 81	.06	582 63	.07
Operating Joint Yard and Terminals —Dr.	412 75	.05	360 86	.05
Train Enginemen	51,576 85	6.50	50,876 47	6.38
Fuel for Train Locomotives	79,475 98	10.01	88,401 61	11.07
Water for Train Locomotives	5,113 04	.64	6,097 77	.76
Lubricants for Train Locomotives	2,111 94	.27	2,117 18	.26
Other Supplies for Train Locomotives	474 63	.06	544 95	.07
Enginehouse Expense—Train	11,338 19	1.43	12,551 25	1.57
Trainmen	59,086 82	7.44	58,661 84	7.36
Train Supplies and Expenses	20,156 86	2.54	21,178 80	2.64
Signal and Interlocker Operation	40 00	....	78	....
Crossing Protection	4 99	....	1 70	....
Drawbridge Operation	1,160 53	.15	1,194 16	.15
Telegraph and Telephone Operation	2,101 58	.26	2,182 42	.28
Stationery and Printing	5,470 64	.69	5,298 09	.67
Other Expenses	335 72	.04	760 46	.10
Operating Joint Tracks and Facilities —Cr.	834 07	.11	1,057 29	.14
Clearing Wrecks	620 10	.08	844 81	.11
Damage to Property	599 06	.07	340 88	.05
Damage to Live Stock on Right of Way	864 81	.11	446 94	.06
Loss and Damage—Freight	6,286 26	.79	4,444 78	.56
Loss and Damage—Baggage	216 50	.03	76 00	.01
Injuries to Persons	6,000 00	.76	6,000 00	.75
Total	\$398,888 66	50.26	\$398,010 46	49.90

Miscellaneous Operations

Dining and Buffet Service	\$ 1,138 04	.14	\$ 987 68	.12
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DETROIT & MACKINAC RAILWAY COMPANY.

OPERATING EXPENSES—Continued

General Expenses.

	1915.			1916.	
	Amount	%		Amount	%
Salaries and Expenses of General Officers	\$ 12,395 16	1.56	\$	12,306 27	1.54
Salaries and Expenses of Clerks and Attendants	8,878 89	1.12		8,817 05	1.11
General Office Supplies and Expenses	1,493 96	.19		1,669 76	.20
Law Expenses	6,883 83	.87		6,779 98	.85
Pensions	900 00	.11		875 00	.11
Stationery and Printing	1,303 68	.16		1,057 36	.13
Valuation Expenses				19 49	....
Other Expenses	1,656 03	.21		1,667 54	.22
Total	\$ 33,511 55	4.22	\$	33,192 45	4.16

TABLE—H.

STATEMENT OF MILEAGE, JUNE 30, 1916.

Main Line.

Bay City to Cheboygan.....	195.02
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Branches.

Omer to Au Gres.....	7.95
Emery Junction to Rose City.....	31.21
Emery Junction to Prescott.....	11.85
Alabaster Junction to Alabaster	4.35
Au Sable to Comins	50.41
Lincoln Junction to Lincoln	14.38
Hillman Junction to Hillman	22.40
Rogers City Junction to Rogers City.....	13.70
Various Logging Branches	35.85
Total	192.10
Total Main Line and Branches.....	387.12
Yard Tracks and Sidings	117.16
Total, all Tracks	504.28

TABLE—I.

DETROIT & MACKINAC RAILWAY COMPANY.

CLASSIFICATION OF FREIGHT TONNAGE

Products of Agriculture—	1915		1916	
	Tons.	Per Cent.	Tons.	Per Cent.
Grain	9,844	1.09	8,709	.86
Flour	4,336	.48	4,120	.41
Other Mill Products	622	.07	1,148	.11
Hay	5,271	.57	4,363	.43
Fruits and Vegetables	25,445	2.82	29,440	2.92
Potatoes	5,307	.59	3,672	.37
Total	50,825	5.62	51,452	5.10
Products of Animals—				
Live Stock	6,324	.70	8,309	.82
Dressed Meats	73	.01	215	.02
Other packing house products....	58	.01	.....	.....
Poultry, Game and Fish.....	342	.04	470	.05
Wool	314	.04	75	.01
Hides and Leather	7,386	.82	9,212	.91
Total	14,497	1.62	18,281	1.81
Products of Mines—				
Anthracite Coal	7,072	.79	2,114	.21
Bituminous Coal	59,249	6.58	83,629	8.29
Coke	1,076	.12	1,850	.18
Stone, Sand and other like articles	203,530	22.60	286,445	28.38
Other products of mines.....	2,179	.24	2,214	.21
Total	273,106	30.33	376,252	37.27
Products of Forest—				
Lumber	72,724	8.07	65,123	6.45
Logs	99,125	11.00	79,281	7.86
Other forest products	125,832	13.97	122,479	12.13
Total	297,681	33.04	266,883	26.44
Manufactures—				
Petroleum and other oils	4,082	.45	5,058	.50
Sugar	1,332	.15	1,362	.13
Paper	12,330	1.37	16,815	1.67
Iron, pig and bloom	1,071	.12	1,786	.18
Other iron and machinery.....	4,603	.51	5,782	.58
Cement, brick and lime.....	162,630	18.05	164,799	16.32
Agricultural implements	262	.03	303	.03
Wagons, carriages, tools, etc....	300	.03	207	.02
Wines, liquors and beers.....	1,431	.16	1,605	.16
Household goods and furniture...	860	.10	844	.08
Total	188,901	20.97	198,561	19.67
Merchandise	58,719	6.52	75,729	7.50
Miscellaneous—Other car load commodities not mentioned above.....	17,141	1.90	22,336	2.21
Grand total	900,870	100 %	1,009,494	100 %

TABLE—J.**DETROIT & MACKINAC RAILWAY COMPANY.****PASSENGER STATISTICS.**

	1915	1916
No. of Passengers carried.....	358,794	356,226
No. of Passengers carried one mile per mile of road	31,516	34,535
Av'ge dist. each Pass'r carried (miles)...	34.510	37.121
Total Passenger Revenue	\$ 303,072.26	\$ 310,506.15
Average Am't received from each Pass...	.84470	.87165
Average Receipts per Pass, per mile.....	.02477	.02348
Total Passenger Earnings	364,065.39	372,627.66
Passenger Earnings per mile of road.....	928.78	973.17
Passenger Earnings per train mile.....	.81260	.82513
Average No. Passengers per train mile...	27.572	29.28

FREIGHT STATISTICS.

No. Tons car'd of frgt. earning revenue..	900,870	1,009,494
No. Tons carried one mile.....	69,385,007	77,477,655
No. Tons car'd one mile per mile of road.	176,597	202,344
Average distance haul of one ton (miles)	77.02	76.749
Total Freight Revenue.....	\$ 695,580.42	\$ 786,082.44
Av'ge Am't rec. for each ton of freight...	.77212	.77869
Average Receipts, per ton, per mile.....	.01002	.01015
Freight Revenue, per mile of road.....	1,770.38	2,052.97
Freight Revenue, per train mile.....	2.5735	2.7546
Average No. of Tons, per train mile.....	256.71	271.50
Average No. of Tons, per loaded car mile.	17.98	18.07
Average No. of Cars per train mile.....	18.73	22.33

PASSENGER AND FREIGHT STATISTICS.

Passenger and Freight Revenue.....	\$ 998,652.68	\$ 1,096,588.59
Pass. and Frt. Revenue, per mile of road.	2,541.75	2,863.88
Gross Earnings from Operation.....	1,077,317.24	1,175,726.83
Gross Earnings from oper., per mile of rd.	2,741.96	3,070.58
Gross Earnings from oper., per train mile	1.8170	1.9504

OPERATING STATISTICS.

Operating Expenses	\$ 793,735.41	\$ 797,584.28
Operating Expenses, per mile of road....	2,020.20	2,083.01
Operating Expenses, per train mile.....	1.3387	1.3201
Net from operating revenues.....	283,581.83	378,142.55
Net operating revenue, per mile of road..	721.76	987.57
Ratio of Expenses to Earnings.....	81.34%	67.84%

TABLE — K.**DETROIT & MACKINAC RAILWAY COMPANY.****EQUIPMENT.**

	1915	1916
Locomotives—		
Passenger	13	13
Freight	20	20
Switching	2	2
Totals	35	35
Passenger Cars—		
First Class	27	27
Combination	7	7
Parlor	2	2
Cafe	1	1
Baggage, Express and Postal	8	8
Totals	45	45
Freight Cars—		
Refrigerator	12	12
Box	705	674
Coal	372	392
Flat	453	423
Stock	85	84
Totals	1627	1585
In Company's Service—		
Officers and Pay Cars	1	1
Derrick Cars	1	1
Caboose Cars	12	12
Other Road Cars	56	56
Snow Plow	1	1
Steam Shovel	1	1
Totals	72	72
Summary—		
Total Number of Locomotives Owned	35	35
Total Number of Cars Owned	1744	1702

TABLE — L.**DETROIT & MACKINAC RAILWAY COMPANY.****SIDINGS AND SPUR TRACKS BUILT FROM JULY 1, 1915, TO JULY 1, 1916.**

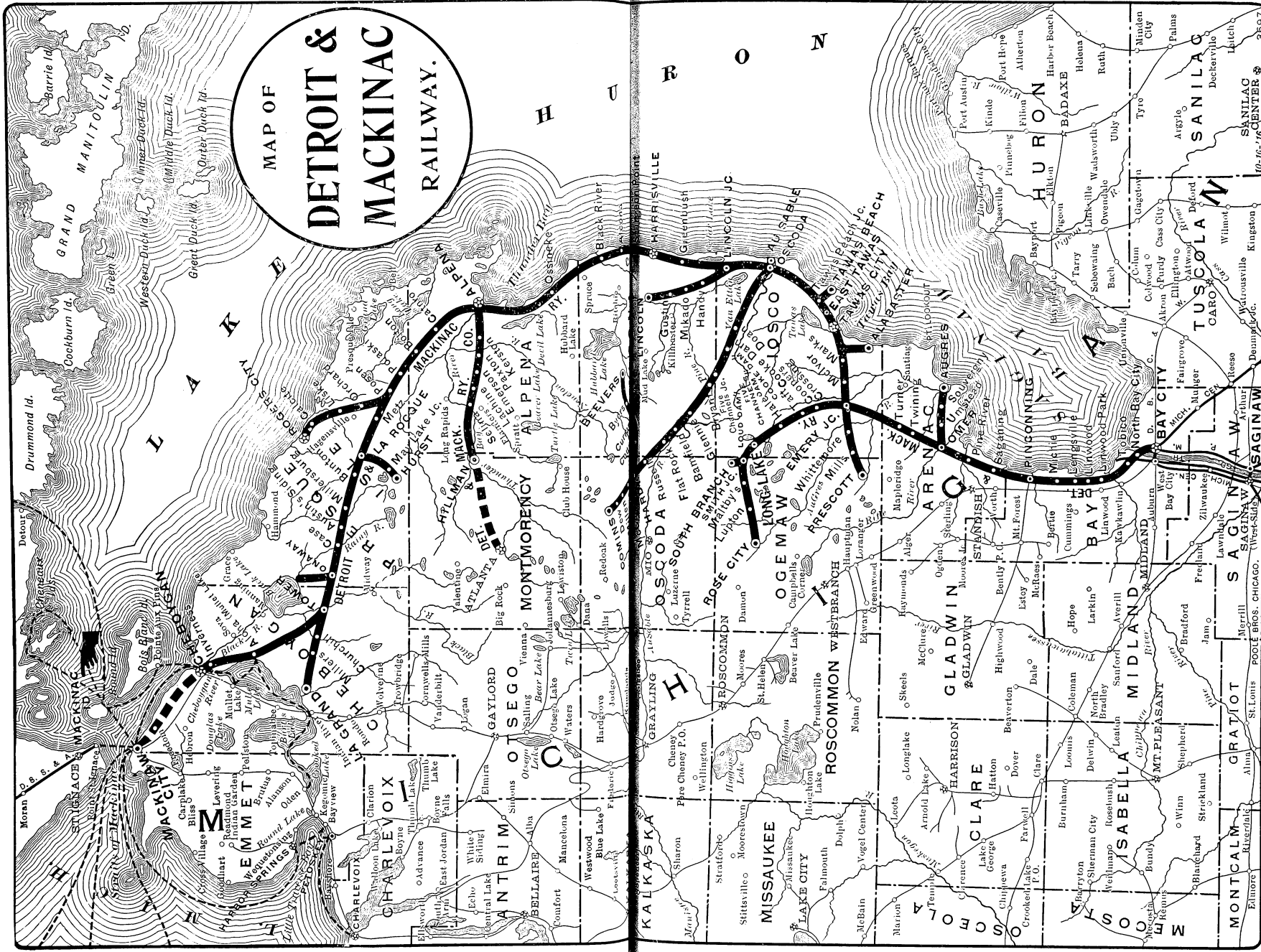
	Miles	Feet
Spur for F. H. Trudell—South Branch.....		330
Spur for D. Mahoney—Onaway		1,300
Spur for D. & M. Railway—(Western Cedar Company)—Alpena...		540
Side Track—D. & M. Railway—Comins.....		536
Side Track—D. & M. Railway—Hardy.....		465
Extend Mahoney's Branch—Island Mill Co., Black Lake Branch....		700
Spur for H. M. Loud's Sons Co.—1 Mile West of Doan.....		380
Relay Alpena Portland Cement Co. Trk.—Malcolm McPhee—Alpena		800
Extend Sand Lake Spur—A. S. R. Division—Selig Solomon—1 Mile West of Hardy		360
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SIDINGS AND SPUR TRACKS TAKEN UP, JULY 1, 1915, TO JULY 1, 1916.

	Miles	Feet
Davidson & McDonald Spur—Black River.....		750
Wolverine Branch—Tower	4	....
Dog Lake Branch—Tower		3,540
Mahoney Spur—Onaway		3,435
Banks Track—Tower		3,105
Hoskins Track—Aloha		790
Moench's Track—Alpena		2,060
Balance of Wolverine Branch—Tower.....	6	....
Monaghan's Spur—Lupton		1,400
Moench's Tannery Spur—Alpena		600
Rouse's Spur—Au Gres Branch		380
	<hr/> 13	<hr/> 220

Summary.

	Miles	Feet
Number of miles taken up.....	13	220
Number of miles built	1	131
	<hr/>	<hr/>
Decrease	12	89



MAP OF
**DETROIT &
MACKINAC**
RAILWAY.

